



Performance Shortram Air Intake Kit

Part Number: 827-501

Scion 2008-2015 XB 2.4L
Toyota 2009-2013 Matrix 2.4L

Installation Instructions

For technical inquiries please email us at tech@hpsperformanceproducts.com

In the email, please include the following information for faster response:

- Year / Make / Model / Engine of your vehicle.
- If it is a fitment issue, please include pictures showing the fitment problem.
- If there are missing parts, please list the part number(s) from the bill of materials on the 2nd page.
- Optional but recommended – Your contact phone number and preferred call back time.

You can also give us a call via 866-576-2832 for tech support Monday-Friday, 9:00am-5:00pm Pacific Time.

Bill of Materials

Part Number: 827-501

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-30	1	
Heat Shield	2	HS-404	1	
HPS Air Filter	2	HPS-4276	1	
T-Bolt Clamp for 3" Hose	3	SSTC-76-84	1	
T-Bolt Clamp 2 ½" Hose	3	SSTC-67-75	1	
2 ½" to 3" Reducing Coupler	3	P3SR-250-300	1	
Short Ram Intake Bracket	3	530-27	1	
Sensor Bracket	3	530-29	1	
4mm Allen Head Bolt x 8mm Long	3	HW-B4-8	2	
6mm Rubber Mount, Male to Male x 1" Tall	3	HW-RM6-100	1	
6mm Flange Nut	3	HW-N6	1	
6mm flat large OD washer	3	HW-FW6L	2	
6mm flange bolt 12mm long	3	HW-B6-12	1	

- Report any defective or missing parts to HPS directly. The authorized HPS dealer you purchased this product from might not have the correct parts you need.
- Before installing any parts of this system, please read the instructions thoroughly.
- Installation DOES require some mechanical skills. A qualified mechanic is always recommended.
- Do not attempt to install the intake system while the engine is hot.
- The installation may require removal of radiator fluid lines that may be hot.
- For technical inquiries, please e-mail us at tech@hpsperformanceproducts.com

PLEASE READ CAREFULLY BEFORE THE INSTALLATION!

This installation is not for the novice customer. Install this system with **EXTREME** caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a tuner shop install this kit.

NOTE: HPS holds no responsibility for any engine damage that results from the misuse of this product.

GETTING STARTED

1. Turn the ignition OFF and disconnect the vehicle's negative battery cable. If the engine has run within the past two hours, let it cool down.

NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is re-connected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicle's anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicle's anti-theft code. We also highly recommend NOT discarding any stock parts after the installation.



2. Disconnect the mass air flow (MAF) sensor plug.



3. Using a 10mm socket or Phillips-head (cross) screwdriver, unscrew the clamp from the intake hose.



4. Unbuckle the 3 clips to to remove the top half of the air box.



5. Remove the clip holding the harness circled in red. Then use a 10mm socket to remove the 3 bolts holding in the lower factory air box.



6. Loosen the spring on the breather hose connected to the air hose, then pull the breather hose towards the front of the car to separate it from the main air hose.



7. Remove the sensor bracket from the air hose by pulling up. Once the bracket is removed, you can remove the air hose from the throttle body by removing the spring clip.



8. Place the reducing coupler onto the throttle body and secure it with a T-bolt clamp.



9. Remove the bracket on the emissions sensor with a Philips-head (cross) screwdriver.



10. Install the supplied bracket using the factory screw.



11. Remove the MAF sensor from the factory air box and install it onto the HPS intake pipe with the included M4 Allen Head bolts. At this point, you can place the intake onto the throttle body without tightening it down.



12. Install the mount onto the factory air box mounting plate. Use the included "S" bracket to brace the intake using the supplied washer and 6mm bolt. Sandwich the emission sensor bracket between the intake and "S" bracket and tighten down using the supplied washer and 6mm nut.



13. Plug in the MAF sensor. Reinstall the breather hose onto the intake pipe.



14. Install the HPS air filter with the heat shield (Refer to the heat shield mounting instruction sheet).

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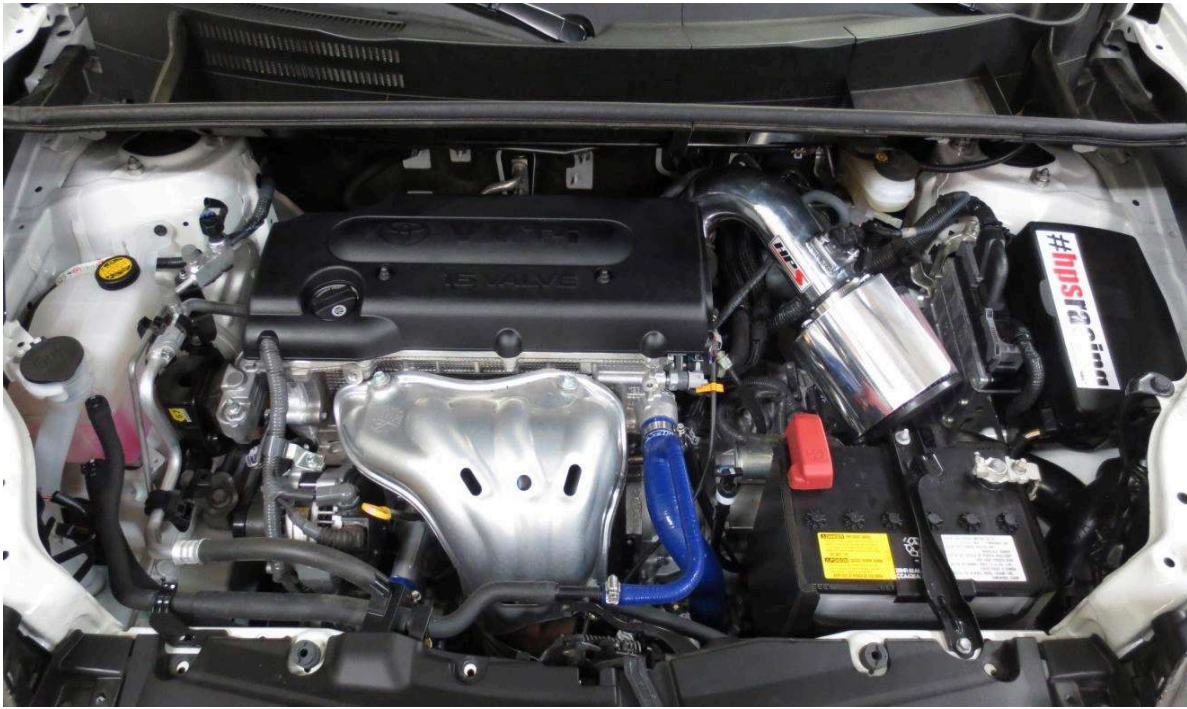
Final Steps

Once the intake has been positioned, tighten all of the clamps and secure all of the parts.

Upon completion of the installation, reconnect the negative battery terminal before you start the engine. Double check to make sure everything is tight and properly positioned before starting the vehicle.

Start the engine, and let the car idle for about 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles, or air leaks prior to taking it for a test drive. If any problems arise, go back and check the vacuum lines, hoses, and clamps that may be causing leaks or rattles and correct the problem.

Periodically, recheck the alignment of the intake system and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.



**HPS Silicone Radiator Hose Kit (Black/Blue/Red) with Stainless Steel Clamps
is now available for Scion 2008-2013 xB 2.4L !**



Part Number 57-1060 - MSRP: \$144.00

**Contact an authorized HPS Performance Products dealer or visit us at
www.hpsperformanceproducts.com for more details**